

CLAIM AMENDMENTS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 11. (Canceled).

12. (Currently Amended) A method for routing a telephone call over a voice and data network, the method comprising:

receiving, at a telecommunications gateway (TCG) associated with a called telephone number, a call directed to the called telephone number;

determining whether the call is a voice and data network (VDN) call;

when the call is a VDN call, converting the call at the TCG into a format compatible with the voice and data network and transferring the converted call to a destination device via the voice and data network; and

when the call is not a VDN call, connecting the call to a telephone ~~associated with the called telephone number~~ physically connected to the TCG.

13. (Previously Presented) The method for routing a telephone call over a voice and data network of claim 12, wherein the call is received from a plain old telephone.

14. (Previously Presented) The method for routing a telephone call over a voice and data network of claim 12, wherein the call is received from a mobile device.

15. (Currently Amended) The method for routing a telephone call over a voice and data network of claim 14, wherein the mobile device comprises at least one of a wireless telephone, a wireless personal data assistanee assistant, and a computer having a wireless network interface card.

16. (Previously Presented) The method for routing a telephone call over a voice and data network of claim 14, wherein the call from the mobile device is routed via a public switched telephone network prior to routing the call to the TCG.

17. (Previously Presented) The method for routing a telephone call over a voice and data network of claim 12, wherein the converted call is further transferred to the destination device via a public switched telephone network.

18. (Original) The method for routing a telephone call over a voice and data network of claim 12, wherein the voice and data network is the Internet.

19. (Previously Presented) The method for routing a telephone call over a voice and data network of claim 12, further comprising receiving a VDN call designator via the call, wherein determining whether the call is a VDN call comprises determining whether the VDN designator is received.

20. (Previously Presented) The method for routing a telephone call over a voice and data network of claim 19, wherein the VDN designator comprises information indicating selection of one or more keys at a telephone keypad.

21. (Previously Presented) The method for routing a telephone call over a voice and data network of claim 20, further comprising:

prompting a calling device for a VDN designator; and
determining that the call is a VDN call when the VDN designator is received.

22. (Previously Presented) The method for routing a telephone call over a voice and data network of claim 21, wherein the VDN designator comprises information indicating selection of one or more keys at a telephone keypad.

23. (Previously Presented) The method for routing a telephone call over a voice and data network of claim 12, further comprising determining whether a calling party of the call is authorized to make a VDN call prior to transferring the converted call to the destination device via the voice and data network.

24. (Previously Presented) The method for routing a telephone call over a voice and data network of claim 23, wherein determining whether the calling party is authorized to make the VDN call comprises capturing caller ID data associated with the call.

25. (Previously Presented) The method for routing a telephone call over a voice and data network of claim 12, further comprising determining the destination device before transferring the converted call to the destination device, wherein determining the destination device comprises sending a dialing signal to a calling device and receiving a calling code associated with the destination device from the calling device.

26. (Previously Presented) The method for routing a telephone call over a voice and data network of claim 12, wherein the call comprises a calling code for the destination device and wherein transferring the call to the destination device comprises using the calling code to address data packets to the destination device.

27. – 34. (Canceled).

35. (Currently Amended) A device comprising:

~~processing logic a processor;~~ and

memory accessible to the ~~processing logic processor~~, the memory comprising:

instructions executable by the ~~processing logic processor~~ to receive an incoming call directed to a telephone number associated with a location of the device;

instructions executable by the ~~processing logic processor~~ to determine whether the incoming call is a call to a remote destination device;

instructions executable by the ~~processing logic processor~~ to connect the call to a telephone physically connected to the device when the incoming call is not a call to the remote destination device; and

instructions executable by the ~~processing logic processor~~ to convert the incoming call to a format compatible with a voice and data network (VDN) and sending the converted incoming call to the remote destination device via the VDN when the incoming call is a call to the remote destination device.

36. (Currently Amended) The device of claim 35, wherein the memory further comprises instructions executable by the ~~processing logic processor~~ to determine whether a caller associated with the incoming call is authorized to call the remote destination device, and when the caller is not authorized, to connect the incoming call to the telephone connected to the device.

37. (Currently Amended) The device of claim 35, wherein the memory further comprises instructions executable by the ~~processing logic processor~~ to receive a destination address of the remote destination device via the incoming call.

38. (Currently Amended) The device of claim 37, wherein, when no destination address is received, the incoming call is connected to the telephone physically connected to the device.

39. (Previously Presented) The device of claim 35, wherein sending the incoming call to the remote destination comprises converting voice data received via the incoming call into a stream of data packets addressed to the remote destination device and sending the stream of data packets via the VDN to the remote destination device.

40. (Currently Amended) The device of claim 35, wherein the memory further comprises instructions executable by the ~~proeessing logic~~ processor to authenticate a caller based at least partially on caller ID information received via the incoming call.

41. (Currently Amended) The device of claim 35, wherein the memory further comprises instructions executable by the ~~proeessing logic~~ processor to authenticate a caller based at least partially on an electronic serial number of a calling device.

42. (Previously Presented) The device of claim 35, wherein the incoming call is received via a connection to a public switch telephone network and wherein the VDN comprises an Internet.

43. (Previously Presented) The device of claim 35, further comprising:

- a connector to connect to a public switched telephone network;
- a connector to connect to the telephone device; and
- a connector to connect to the voice and data network.

44. (Currently Amended) The device of claim 35, wherein the memory further comprises instructions executable by the ~~proeessing logic~~ processor to receive a signal indicating that the incoming call is not directed to the telephone.